U.S. ENVIRONMENTAL PROTECTION AGENCY



REGION X

IDAHO OPERATIONS OFFICE 422 WEST WASHINGTON STREET BOISE, IDAHO 83702

July 22, 1988

Chris James, General Manager Cyprus Thompson Creek Mine P.O. Box 62 Clayton, Idaho 83227 RECIEIVED
JUL 25 1988

WATER COMPLIANCE SECTION EPA - REGION 10

RE: NPDES Compliance Inspection Permit No. ID-002540-2

Dear Mr. James:

Attached for your information are the results of an NPDES compliance inspection conducted at the Cyprus Thompson Creek Mine on May 25, 1988. Sample results verify compliance with current permit requirements.

The assistance of Mr. Doughty during the inspection was appreciated.

Sincerely,

Wally Scarburgh

Idaho Permits Coordinator

Enclosure

cc: Bob Braun, IDHW-DEQ, Boise Greg Kellogg, WD-135

BN0910B

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SEPA	NIDDECC	Mashington, D	C 20460		OMB No 2500 0003
VEIN	NPDES C	ompliance	inspection	on Report	Approval Extres 7-31-85
		Section A: Natio	nal Data Systom		
Transaction Code	NPDES 200025401	ماد، ما دا ها	mo/day	Inspection Type	Inspector Fac Type
	20002390		052517	185	19C 200
		Remarks			
	cility Evaluation Rating	BI	QA	Reserve	d
67 69	7d	71	72 73	74 75	80
Name and Location of	Facility Inspected	The same of the sa	Facility Data	Fater Views [7]	
Cyprus Minin	Thompson Co Thompson Co. 2	Crrele		Entry Time AM	PM Pormit Effective Date
P.O. B.	62			Exit Time/Date	Pormit Expiration Date
Clay ten	Id. 83227 resentative(s)	2			4/10/86
Name(s) of Orf-Site Rep	resentative(s)	Title(s)			Phone No(s)
					34*
Bort De	undites	5		- ' - / /	1000
Name, Address of Resp	onsible Official	Title	PERVISON C		Allars 838-220
Chris To P.O. Bo.	MIES	6	Services .	Manager	
P.O. B.	262,	Phone	140.		Contacted
Clay;	Lu, Ed. 8322	7 ,	838-2		Yes No
		Section C: Areas Ev			
Permit	(5 = Satistac	leasurement		y, N = Not Evaluated)	
Records/Reports	1/ Labora			atment iance Schedules	Operations & Maintenance
S Facility Site Revie		t/Receiving Waters		onitoring Program	Sludge Disposal Other:
				Iditional sheets if necess	eary)
		See AH	achmen		
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				(D)	ECEIVED
		•			JUL 25 1988
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				WATE	R COMPLIANCE SECTION
					EPA - REGION 10
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Name(s) and Signature(s) of Inspector(s)	IA (0" =			
Storage and Signature(s) or inspectous)	Agency/Office/To	elephone		Date
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	11	11/000	150/19	20	2/05/88
Const.					
Signature of Reviewer		Agency/Office			Date
				•	
		Regulatory	Office Use Only	•	
Action Taken	Control of the State of the State of the party state of the State of t	- Barrery		Date	Compliance Status
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					Compliance
PA Form 3560-3 (Rev. 3	1-85) Previous editions are o	bsolete.		R	SV JS 07/25/88/

Records, Reports, and Schedules Checklist

A. Permit Verification

	-	
(YES NO M.	INSPECTION OBSERVATIONS VERIFY INFORMATION CONTAINED IN PERMIT
	Yes No N/	A 1. Correct name and mailing address of permittee.
(Yes No N/	A 2. Facility is as described in permit.
	Yes No N/	A 3. Notification has been given to EPA/State of new, different, increased discharges.
(Yes No N/	4. Accurate records of influent volume are maintained, when appropriate.
(Yes No N/	5. Number and location of discharge points are as described in the permit.
(Yes No N/	6. Name and location of receiving waters are correct.
(Yes No N/	7. All discharges are permitted.
ď		R Proceeding and Describes Dest.

		B. Recordeeping and Reporting Evaluation	
(YES NO N/A	RECORDS AND REPORTS ARE MAINTAINED AS REQUIRED BY PERMIT	
	Yes No N/A Yes No N/A Yes No N/A	 All required information is available, complete, and current; and Information is maintained for required period. Analytical results are consistent with the data reported on the DMR's. 	
	Yes No N/A	b. Name of individual performing sampling c. Analytical methods and techniques d. Results of analysis e. Dates of analysis f. Name of person performing analysis WATER COMPLIANCE SECTION 10	ON
(Yes No N/A Yes No N/A	5. Monitoring records are adequate and include a. Flow pH, D.O., etc. as required by permit b. Monitoring charts	
(Yes No N/A	6. Laboratory equipment calibration and maintenance records are adequate.	
	Yes No N/A	c. Schedules and dates of equipment maintenance and renairs	
		·	

Records, Reports, and Schedules Checkinst

Yes No N/A Yes No N/A Yes No N/A Yes No N/A

- 8. Pretreatment records are adequate and include:
 - a. Industrial Waste Ordinance (or equivalent documents)
 - b. Inventory of industrial waste contributors, including:
 - 1. Compliance records
 - 2. User charge information

Yes No N/A

9. SPCC properly completed, when required.

Yes No N/A

10. Best Management Practices Program available, when required.

C. Compliance Schedule Status Review

YES NO NA	THE PERMITTEE IS MEETING THE COMPLIANCE SCHEDULE	
Yes No N/A	1. The permittee has obtained necessary approvals to begin construction.	
Yes No N/A	2. Financing arrangements are complete.	
Yes No N/A	3. Contracts for engineering services have been executed.	
Yes No N/A	4. Design plans and specifications have been completed.	
Yes No N/A	5. Construction has begun.	
Yes No N/A	6. Construction is on schedule.	15-
Yes No N/A	7. Equipment acquisition is on schedule.	
Yes No N/A	8. Construction has been completed.	7710
Yes No N/A	9. Start up has begun. WATER COMPLIANCE SE	-
Yes No N/A	10. The permittee has requested an extension of time.	
Yes No N/A	11. The permittee has met compliance schedule.	
		•

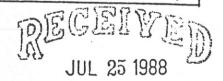
Records, Reports, and Schedules Checklist

D. POTW Pretreatment Requirements Review

YES NO N/A	THE FACILITY IS SUBJECT TO PRETREATMENT REQUIREMENTS
	1. Status of POTW Pretreatment Program :
Yes No N/A	a. The POTW Pretreatment Program has been approved by EPA. (If not, is approval in progress?
Yes No N/A	b. The POTW is in compliance with the Pretreatment Program Compliance Schedule. (If not, note why, what is due, and intent of the POTW to remedy)
	2. Status of Compliance with Categorical Pretreatment Standards.
Yes No N/A	a. How many industrial users of the POTW are subject to Federal or State Pretreatment Standards?
Yes No N/A	b. Are these industries aware of their responsibility to comply with applicable standards?
Yes No N/A	c. Have baseline monitoring reports (403.12) been submitted for these industries?
Yes No N/A	 Have categorical industries in noncompliance (on BMR reports) submitted compliance schedules?
Yes No N/A	ii. How many categorical industries on compliance schedules are meeting the schedule deadlines?
Yes No N/A	d. If the compliance deadline has passed, have all industries submitted 90 day compliance reports?
Yes No N/A	e. Are all categorical industries submitting the required semiannual recover?
Yes No N/A	f. Are all new industrial discharges in compliance with new source pretreatment standards?
Yes No N/A	g. Has the POTW submitted its annual pretreatment report?
Yes No N/A	h. Has the POTW taken enforcement action against noncomplying industrial users?
Yes No N/A	1. Is the POTW conducting inspections of industrial contributors?

Yes No N/A 3.

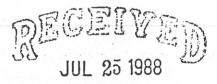
3. Are the industrial users subject to Prohibited Limits (403.5) and local limits more stringent than EPA in compliance? (If not, explain why, including need for revision of limits.)



WATER COMPLIANCE SECTION EPA - REGION 10

Facility Site Review Checklis.

Yea No N/A	1. Standby power or other equivalent provision is provided.
Yes No N/A	2. Adequate alarm system for power or equipment failures is available.
Yes No N/A	3. POTW handles and disposes of sludge according to applicable Federal, State, and and local regulations.
Yed No N/A	4. All treatment units, other than back-up units, are in service.
Yes No N/A	5. Procedures for facility operation and maintenance exist.
Yes No N/A	6. Organization plan (chart) for operation and maintenance is provided.
Mo N/A	7. Operating schedules are established.
Yes No N/A	8. Emergency plan for treatment control is established.
Yes No N/A Yes No N/A Yes No N/A	9. Operating management control documents are current and include: a. Operating report b. Work schedule c. Activity report (time cards)
Yes No N/A	c. Construction specifications
Yes No N/A	11. Adequate number of qualified operators are on-hand.
Yes No N/A	12. Established procedures are available for training new operators.
Yes No N/A	 Adequate spare parts and supplies inventory and major equipment specifications are maintained.
Yes No N/A	14. Instruction files are kept for operation and maintenance of each item of major equipment.
Yes No N/A	15. Operation and maintenance manual is available.
Yes No N/A	16. Regulatory agency was notified of by passing. (Dates)



WATER COMPLIANCE SECTION IPA - REGION 10

Facility Site Review Checklist

Ye	25 No	N/A	17. Hydraulic and/or organic overloads are experienced. Reasons for overloads
L			
The real Property lies		-	18. Up to date equipment repair records are maintained.
Ye	s)No 1	N/A	19. Dated tags show out of service equipment.
Ye	1 dis	N/A	20. Routine and preventive maintenance are scheduled/performed on time.

Permittee Sampling Inspection Checklist

A. Permittee Sampling Evaluation

	Yes No N/A	1. Samples are taken at sites specified in permit.
(Yes No N/A	2. Locations are adequate for representative samples.
	Yes No N/A	3. Flow proportioned samples are obtained where required by permit.
(Yes No N/A	4. Sampling and analysis completed on parameters specified by permit.
7	Yes No N/A	5. Sampling and analysis done in frequency specified by permit.
(Yea No N/A	6. Permittee is using method of sample collection required by permit. Required Method: 6-va6 If not, method being used is: () Grab () Manual composite () () Automatic composite
(Yes No N/A Yes No N/A	7. Sample collection procedures are adequate: a. Samples refrigerated during compositing b: Containers and sample holding times before analyses conform with 40 CFR 136.3
	Yes No N/A	8 Monitoring and analyses are performed more often than required by permit. If so, results reported in permittee's self-monitoring report.

B Sampling Inspection Procedures and Observations

,	Yes	N/A	A 1. Grab samples obtained.	
	Yes	No (N/A	A 2. Composite sample obtained Compositing frequency Preservation	
		NO N/A	de la composition della compos	
			4. Flow proportioned sample obtained.	
	Yes	No N/A	A 5. Sample obtained from facility sampling device.	
9	Yes	No N/A	6. Sample representative of volume and nature of discharge.	
-		No N/A	The state permettee.	
	Yes	No N/A	8. Chain of custody procedures employed.	

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A. Flow Measurement Inspection Checklist - General

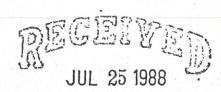
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No	N/A
Yes	No (N/A
Yes	No	N/A
Yes	No	N/A
Yes	No /	N/A

- 1. Primary flow measuring device is properly installed and maintained.
- 2. Flow records are properly kept.
- 3. Sharp drops or increases in flow values are accounted for.
- 4. Actual flow discharged is measured.
- 5. Influent flow is measured before all return lines.
- 6. Effluent flow is measured after all return lines.
- Secondary instruments (totalizers, recorders, etc.) are properly operated and maintained.
- 8. Spare parts are stocked.

B. Flow Measurement Inspection Checklist - Flower

_		
Yes	No	N/A
	The second name of the second	-

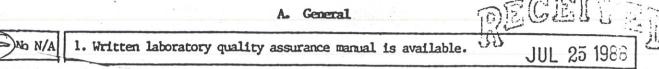
- Flow entering flume appears reasonably well distributed across the channel and free of turbulence, boils, or other distortions.
- 2. Cross-sectional velocities at entrance are relatively uniform .
- 3. Flume is clean and free of debris or deposits.
- 4. All dimensions of flume are accurate.
- 5. Side walls of flume are vertical and smooth.
- 6. Sides of flume throat are vertical and parallel.
- 7. Flume head is being measured at proper location.
- 8. Measurement of flume head is zeroed to flume crest.
- 9. Flume is of proper size to measure range of existing flow.
- 10. Flume is operating under free-flow conditions over existing range of flows.



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			C. Flow Messurement Inspection Checklist - Wiers DE GET
	'-no	Lehe	1. What type of weir is being used?
Yes	No	N/A	2. The weir is exactly level. EPA - REGION 10
Yes) No	N/A	3. The weir plate is plumb and its top edges are sharp and cleam.
Yes) No	N/A	4. There is free access for air below the nappe of the weir.
Yes	No	N/A	5. Upstream channel of weir is straight for at least four times the depth of water level, and free from disturbing influences.
Yes	No	N/A	6. The stilling basin of the weir is of sufficient size and clear of debris.
Yeg	No	N/A	7. Head measurements are properly made by facility personnel.
Yes	No	N/A	8. Proper flow tables are used by facility personnel.
			D. Flow Measurement Inspection Checklist - Other Flow Devices
			1. Type of flowmeter used:
			2. What are the most common problems that the operator has had with the flowmeter?
			3. Measured Wastewater flow:mgd; Recorded flow:mgd; Error%
			4. Design flow:mgd.
Yes	No	N/A	5. Flow totalizer is properly calibrated.
		-	6. Frequency of routine inspection by proper operator:/day.
			7. Frequency of maintenance inspections by plant personnel: /year.
			8. Frequency of flowmeter calibration: /month.
Yes	No	N/A	9. Flow measurement equipment adequate to handle expected ranges of flow rates.
Yes	No	N/A	10. Venturi meter is properly installed and calibrated.
Yes	No	N/A	11. Electromagnetic flowmeter is properly calibrated.
		-	

Laboratory Quality Assurance Checklist



B . Laboratory Procedures

WATER COMPLIANCE SECTION FPA - REGION 10

1	EFA-TECTOR TO
Yes No N/A	1. EPA approved analytical testing procedures are used.
Yes No N/A	2. If alternate analytical procedures are used, proper approval has been obtained.
Yes No N/A	3. Calibration and maintenance of instruments and equipment is satisfactory.
Yes No N/A	4. Quality control procedures are used.
Yes No N/A	5. Quality control procedures are adequate.
	6. Duplicate samples are analyzed% of time.
	7. Spiked samples are used% of time.
Yes No N/A	8. Commercial laboratory is used Name Analytical Caboratories
	Address
	Contact
	Phone

C. Laboratory Facilities and Equipment

Yes No N/A 2. Dry, uncontaminated compressed air is available. Yes No N/A 3. Fume hood has enough ventilation capacity. Yes No N/A 4. The laboratory has sufficient lighting. Yes No N/A 5. Adequate electrical sources are available. Yes No N/A 6. Instruments/equipment are in good condition.	Yes No N/A	1. Proper grade distilled water is available for specific analysis.
Yes No N/A 4. The laboratory has sufficient lighting. Yes No N/A 5. Adequate electrical sources are available.	Yes No N/A	2. Dry, uncontaminated compressed air is available.
Yes No N/A 5. Adequate electrical sources are available.	Yes No N/A	3. Fume hood has enough ventilation capacity.
The state of the s	Yes No N/A	4. The laboratory has sufficient lighting.
Yes No N/A 6. Instruments/equipment are in good condition.	Yes No N/A	5. Adequate electrical sources are available.
	Yes No N/A	6. Instruments/equipment are in good condition.
Yes No N/A 7. Written requirements for daily operation of instruments are available.	Yes No N/A	7. Written requirements for daily operation of instruments are available.

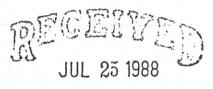
...ah bory Quality Assurance Checklist ...ont. ed)

C. Laboratory Facilities and Equipment (continued)

-								
Yes No N/A	8. Standards are available to perform daily check procedure.							
Yes No N/A	. Written trouble shooting procedures for instruments are available.							
Yes No N/A	10. Schedule for required maintenance exists.							
Yes No N/A	11. Proper volumetric glassware is used.							
Yes No N/A	12. Glassware is properly cleaned.							
Yes No N/A	13. Standard reagents and solvents are properly stored.							
Yes No N/A	14. Working standards are frequently checked.							
Yes No N/A	15. Standards are discarded after recommended shelf life has expired.							
Yes No N/A	16. Background reagents and solvents run with every series of samples.							
Yes No_N/A	17. Written procedures exist for cleanup, hazard response methods, and applications of correction methods for reagents and solvents.							
Yes No N/A	18. Gas cylinders are replaced at 100-200 psi.							

D. Laboratory's Precision, Accuracy, and Control Procedures

Yes No N/A	1. A minimum of seven replicates is analyzed for each type of control check and this information is on record.
Yes No N/A	 Plotted precision and accuracy control charts are used to determine whether valid, questionable, or invalid data are being generated from day to day.
Yes No N/A	Control samples are introduced into the train of actual samples to ensure that valid data are being generated.
Yes No N/A	4. The precision and accuracy of the analyses are good.



VVATER COMPLIANCE SECTION EPA - REGION 10

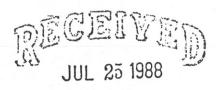
Lawratory Quality Assurance Checklist (Continued)

E. Data Handling and Reporting

Yes No N/A	1. Round-off rules are uniformly applied.									
Yes No N/A	2. Significant figures are established for each analysis .									
Yes No N/A	3. Provision for cross-checking calculation is used									
Yes No N/A	4. Correct formulas are used to reduce to simplest factors for quick, correct calculation									
Yes No N/A	5. Control chart approach and statistical calculations for quality assurance and report are available and followed									
Yes No N/A	6. Report forms have been developed to provide complete data documentation and permanent records and to facilitate data processing									
Yes No N/A	7. Data are reported in proper form and units									
Yes No N/A	8. Laboratory records are kept readily available to regulatory agency for required period of time									
Yes No N/A	9. Laboratory notebook or preprinted data forms are permanently bound to provide good documentation									
Yes No N/A	10. Efficient filing system exists enabling prompt channeling of report copies									

F. Laboratory Personnel

Yes No N/A	1. The analyst has appropriate training	•	
Yes No N/A	2. The analyst follows the specified procedures		
Yes No N/A	3. The analyst is skilled in performing analyses		



WATER COMPLIANCE SECTION
EPA-REGION 10

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			N: Complete as ap				
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